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MARCH 26, 1890.

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Farmer

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To a lady whose daughter had been treated for chronic bronchitis without relief, we recommended Ayer's Cherry Pectoral. The lady says that this preparation is doing more good than any other medicine, and that her daughter now sleeps well and is improving rapidly."—J. R. Kelch & Co., Druggists, Tarlton, Ohio.

"Ayer's Cherry Pectoral saved my life. It cured me of acute bronchitis."—Geo. B. Hunter, Digby, N. S.

"As a specific for croup, and for the cure of colds or coughs, there is no preparation equal to Ayer's Cherry Pectoral. It is pleasant, safe, and sure."—S. H. Latimer, M. D., Mt. Vernon, Georgia.

"I have found Ayer's Cherry Pectoral a most valuable remedy for bronchitis, and disease of the lungs, from which I suffered greatly. The cure which this medicine effected in my case was most wonderful. I am also satisfied that it saved the lives of my children, who were sick with lung fever."—S. L. True, Palisade, Nebr.

"I have used Ayer's remedies in my practice, and am glad to say that I have found them very beneficial. In acute bronchitis, Ayer's Cherry Pectoral is particularly valuable. It is considered by my people as a remedy which no household should be without."—Dr. V. Lamberti, 257 Gratiot st., Detroit, Michigan.

Ayer's Cherry Pectoral,

Prepared by DR. J. C. AYER & CO., Lowell, Mass. Sold by all Druggists.

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AND NEW FARM.

Vol. XXVII. BALTIMORE, March 26, 1890. No. 13.

POULTRY
and
POULTRY KEEPING,
by
H. R. WALWORTH,
Editor of The Maryland Farmer.

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CHAPTER V. NESTS.

We have often observed that certain hens will choose a nest where it will be quite inconvenient to have them lay their eggs, and if we break up that nest they will retain their eggs two or three days before choosing some other nest.

On this account we have always favored the idea of having single nest boxes so that

we could move them from place to place if desirable.

They should be about twelve inches square for laying hens and so placed in reference to each other that a narrow passage may be between them.

It is generally admitted that a portion of them at least may be placed beneath the droppings board, with the entrance to the nest next to the side of the house.

This position serves several important purposes: Nests should be quite dark, always in a deep twilight; for it satisfies the hens and at the same time prevents them in some measure from eating their eggs.— It also makes a concealed way of approach to the nests which is agreeable to their nature.

The nests, if single, may be placed in other positions wherever it may seem suitable to locate them. But they should be made so that the poultry will not use them as roosts.



The better to examine the nests for eggs, some arrangement of the backs of the nest boxes to lift up or to let down should be made.

Of course any box will answer for a nest box and we have only mentioned these special ones as being most convenient to the keeper and most attractive to the poultry.

In the summer we have found nests in the yard half concealed under some bush quite a favorite resort.

Materials for nests are generally considered of slight importance, but it is a matter of more moment than one would at first suppose.

The bottom of the best nest is made of cedar saw dust, but it is not always convenient to get this—or of cedar shavings. This makes them insect proof.

Anything which is disagreeable to insects is desirable. For this reason some have used pitch pine sawdust or shavings where the cedar could not be had.

However, the material used for the foundation is not very essential as the nests can be changed often and the boxes cleansed.

There is however quite a science in making a nest. The material should be packed and formed by the hand so that it will resemble in form a soup plate.

In such a nest the eggs are always safe. They will not roll out and they do not press against each other and break when the hen steps into the nest.

Very fine hay, or grass that has been lying all winter on the ground until it is soft and pliable makes the best finish for the nest. It must not be at all green, or it will be picked to pieces.

Some give no nest eggs; but we have always used porcelain eggs for the nest. We use them, also, when we first set hens until they have settled to their work and

can receive the eggs intended to be hatched.

We never use the ordinary eggs as nest eggs. They are too often taken with the fresh eggs when collected. If not then taken, they after a while are broken, to the injury of nests and the disgust of the poultry.

Plaster eggs are not as good as porcelain, for they will be picked by the poultry and it teaches them to break and eat their eggs. Smooth, polished porcelain eggs are better than the rough surfaced ones, for they keep clean or are easily cleaned.

A plentiful supply of these nest eggs will sometimes have a very beneficial effect in preventing egg eating. They seem to hurt the attacking hen just enough to teach her not to strike an egg with her bill.

We have never found it necessary to have carbolic nest eggs and do not think it wise to have anything of that nature about the nests.

Kerosene must never be used in the nest boxes. It is of that penetrating nature that it will destroy the vitality of eggs at once, and it will impart an unpleasant flavor to them when used as food.

The hay in the nests should be changed at least once a month and the nest boxes thoroughly cleansed. The contents should be burned, so that every thing may be destroyed.

To clean the inside make a bright, clear flame and hold the nest box over it so that it will reach every portion of it.

The same process may be pursued with the outside of the box. Some, however, cover the outside with kerosene and then burn it off.

There is little necessity, however, for such radical measures. We have found a sprinkling of sulphur in the nest when made a preventive against vermin.

Nests for sitting hens should be made with care after the general manner already

suggested. They are, however, certainly nature of insecticide, should touch the best when sods are placed in the bottom of eggs which are expected to produce chicks. the nest.

A very generous portion of sulphur Nests for sitting hens should each one should be distributed through the material be by itself away from all other nests—even in the same house or yard with the composing the nest; but the eggs should flock. not be sprinkled with it. Nothing of the

STOCK FOR THE FARM.

Address any of this list of Breeders and Dealers and you will find a prompt answer if you mention the Maryland Farmer. We believe every one of them to be reliable.
—Editor Md. Farmer.

Reid Brothers, English Shires, Clydesdales,
Shetland Ponies, Janesville, Wis.

Geo. F. Davis & Co. Originators Victoria Swine.
Stock for sale. Dyer, Ind.

E. H. Smith, Standard bred Horses, Fancy Pigs
and Poultry. Salem, N. J.

J. C. & D. Pennington. Registered Jersey
Cattle. Paterson, N. J.

W. E. Pendleton, Choice Yorkshire Swine.
Agt. New London, Conn.

THE JERSEY COW.

We have been deluged with letters in consequence of reporting a week or two since the opinion of a farmer derogatory to Jersey stock. We give the following as showing the other side of this question:

Stanton, March 20th, 1890.
Editor of Maryland Farmer,

Dear Sir:—I write, thinking that an answer might be made to the statement of the "Thoughtful Farmer" in your issue of March 12, by stating what an investment in Jerseys, made in 1883, has done for me.

I purchased Madam Sontag 7216, and cow calf, price one hundred and forty dollars; Wolverine, 15192, price one hundred and five dollars; her yearling heifer Wolverine 2nd, price one hundred and twenty five dollars. For bulls I purchased calves and raised them—the highest price seventy five dollars.

Now for results: We have to-day 12 cows on the farm. We have kept an account for the past two years and they have averaged about one hundred dollars per head of butter sold; or, the 12 cows bring us an income of twelve hundred dollars per year.

We have 12 heifers coming on which we think will be better than their dams.

In comparison with scrubs we might say, that we have a herd of cattle that we have raised on the farm that we are pleased to show to our friends.

We sent a small herd to Elkton fair last fall: Minnie Wolverine 50301, g. g. grand daughter of Madam Sontag, taking first premium which included one year's subscription to your valuable paper.

In conclusion I would say to my farmer friends, if you want cows that will pay to feed for milk or butter, that are easy to raise, come in profit at an early age, quiet to handle, that *you* will like, your wife,

children friends and customers will like, buy good Jerseys.

A. NAUDAIN, JR.

Shippensburg, Pa., Mar. 24, 1890.

Dear Sir:—Your paper of last week contained a rather depressing description of the Jersey Cow. I have kept the thoroughbred Jersey on my farm for the last twenty years and I think she is the most profitable cow in the dairy line for this State, and every other State except the great West.

She will produce more milk and cream than any other animal on an average for the simple reason that she never runs dry. She will milk from the time she begins until very old.

I sell my cream to the creamery at Scotland, Pa., and they say that the Jersey surpasses all other, in richness, making more than a pound of butter to the inch.

I turn some of the male calves into steers and they make the finest beef—easily fed and they get rolling fat and as large as you wish them.

The Jersey above all others is the poor man's cow.

In the past she has been high in price. I have paid as high as one hundred dollars for a cow and do not regret it.

The farmers around here are beginning to appreciate the stock more than ever, especially since the creameries are in operation. I would state that farmers within half a mile and others three miles away bring their cows to my farm for service. One had four during the past five weeks.

I hope your friend will try some of the Jersey and I am quite certain he will not regret doing so. Respectfully yours,

ALEX. W. KYNER.

IF YOUR BACK ACHES

Or you are all worn out, really good for nothing it is general debility. Try

BROWN'S IRON BITTERS.

It will cure you, and give a good appetite. Sold by all dealers in medicine.

Entered as second class matter at Baltimore, Md.

THE
MARYLAND FARMER
AND
NEW FARM.

Agriculture, Live Stock and Home Life.

Oldest Agricultural Journal in Maryland and
for ten years the only one.

27 E. PRATT STREET,

BALTIMORE, MD.

WALWORTH & Co., Editors and Publishers.

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1.50 if not paid until the end of the year.

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Discounts, 10 off for 3 mos., 15 for 6, 20 for 9, 25 for 12
Advertisements to be inserted once a month

are subject to the same discount.

Covers, p. 2 add 30, 3 add 25, 4 add 50.

Special location, on any page, 20 per cent extra.

No reading notices free.

Reading notices twice the price of advertisements.

ISSUED EVERY WEEK.

ASSESSMENTS.

We have observed that the farmers have a few, a very few, good friends in the present legislature; but the most of the people's representatives do not hesitate to oppose everything which would better their condition.

Nothing to relieve the burden of taxation upon them meets with favor.

In our cities the manufacturing plants to the amount of thousands of dollars are exempted; but the proposition to exempt \$300. worth of machinery on the farm has few supporters, and when the little matter of exempting hand implements, shovels, picks, spades, forks, etc., was asked, even this was refused.

No relief of the farmers from taxation.

Everything of theirs is visible and must be placed down on the list; but the citizen may cover up his thousands and the manufacturer may go free.

Even the cow must be taxed as property and perhaps will be taxed 50cts. extra because she is a cow and gives a little milk.

Do you like it, farmers? Have you seen who are your friends in our present legislature? Don't forget them in days to come. And most of all, don't forget any who refuse relief from taxation—unjust, unequal taxation.

FARMER'S LEAGUE.

This organization has been simplified so that it will in no way interfere with any other farmer's organization.

A life membership costs only 50 cents and no dues are thereafter required. Each member signs his name to the following card.

"I hereby affirm that I will do all in my power, by vote and influence, to advance the farmer's interests in politics and legislation, so far as this can be done without conflicting with the welfare of the entire people."

Let every farmer make it a point to become a life member of this League. The tax question and the just appointment of taxes is of vast importance to farmers, and the League has tax reform to accomplish. No one should be elected to our next Legislature who is unwilling to sign the above card.

We will furnish this card to any who wishes to become a life member of the League. On receipt of this signed card and 50 cents, certificate of membership will be forwarded, which will entitle him to a vote in all meetings of the League.

H. R. WALWORTH, V. P.
Baltimore, Md.

THE PEACH CROP.

Many conflicting reports reach us as to the outcome of peaches this year. A few claim that the crop will be as good as usual, while many tell us the crop is an entire failure.

One informs us from Cecil Co., that during last week he has cut open at least 500 buds and found the germ in every one of them black. Not a single exception.

A visitor from Dorchester Co. tells us that his five thousand trees will not bring him in as many cents, and before the last cold freeze he could have expected as many dollars.

Let us hope that the crop, thinned out by the heavy cold, will yet be enough better to bring the income of the farmer reasonably near to what a great over production would afford him.

BURLINGTON ROUTE.

HOME SEEKERS' EXCURSIONS.

The Burlington Route, C., B. & Q. R. R., will sell on Tuesdays, April 22d and May 20th, Home Seekers' Excursion Tickets at *Half Rates* to points in the Farming Regions of the West, Northwest and Southwest. Limit thirty days. For folder giving details concerning tickets, rates and time of trains, and for descriptive land folder, call on your ticket agent, or address P. S. EUSTIS, Gen'l Pass. and Ticket Agent, Chicago, Ill.

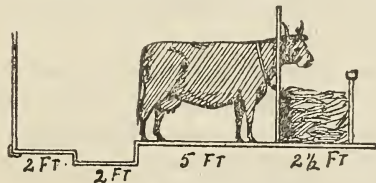
A little girl, who evidently had lived long enough to gain some knowledge of human nature, was asked by her teacher what a minute-man was. "A minute-man," said the little girl, "is a man who wants everything done right away."

Daisy Garden Plow }
Daisy Cultivator } are now at our office.
Daisy Seed Sower }

HELPS IN FEEDING.

Winter Feeding Structures for Cattle—A Convenient and Economical Manger. Feeding Troughs for Barnyards That Prevent Waste of Fodder.

For feeding cattle a diversity of models is adopted, including the mangers for receiving the contents of the silo or other chopped feed, and feeding racks in barnyards and under sheds. For securing them in their stalls a halter is recommended by many, as allowing the animals more liberty to turn about, but rendering them more liable to come in contact with their droppings.

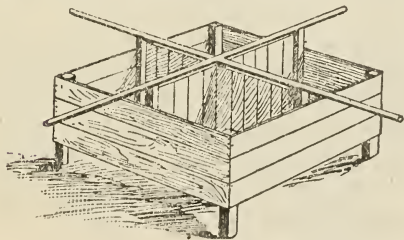


A CONVENIENT MANGER.

Many prefer the sliding halter (see cut), and others again select the swinging stanchions which are gradually coming into use.

The manger represented in the first sketch should have a bottom eight or ten inches higher than the floor the animals stand on, for convenience to the animal and for economy for the food.

Many farmers still allow their cattle the free run of the barn yard, in which case feeding troughs are essential for preventing the waste of fodder. They are constructed in many forms, one of which is represented in the second cut, which nearly explains itself and which any farmer may easily construct.



ECONOMICAL FEEDING TROUGH.

Four cows may eat from it at a time, the two poles set at right angles serving as guards to prevent the animals from chasing one another around the structure. A better and simpler form is to

allow the four corner posts to project upwards a foot or so above the trough and fasten the guards to these posts, suggests Country Gentleman, authority for the foregoing.

Foliage Plants.

The Florist's Exchange asserts that in the propagation of variegated leaved plants which show a tendency to "run out," only the highly colored shoots should be used, and care should be taken not to allow the soil to become acid or sour.

Beecham's Pills cure sick-headache.

GATHERED CRUMBS.

New Jersey poultry raisers have formed a state association for the protection and encouragement of their industry.

The importation of pure bred horses from England into this country is reported as on the increase.

A new phosphate company has been organized in Florida with the object of developing an extensive tract of phosphate land in that state.

A valuable grain to feed chickens during the first three weeks of their lives is golden millet. Very small chicks need very small seeds. They constantly search for the seeds of grass or any small seeds.

A. H. Duff, the bee man, says in The American Agriculturist that bees have been known to fly at the rate of sixty miles per hour, or a mile a minute. But in quest of honey they do not fly so rapidly. On an average they may fly a mile and return with a load every twenty or twenty-five minutes.

Efforts to secure the abrogation of laws against the importation of the hog products of America into Germany have met with failure, the German government refusing to rescind existing decrees on the subject.

LADIES

Needing a tonic, or children that want building up, should take

BROWN'S IRON BITTERS.

It is pleasant to take, cures Malaria, Indigestion, and Biliousness. All dealers keep it.

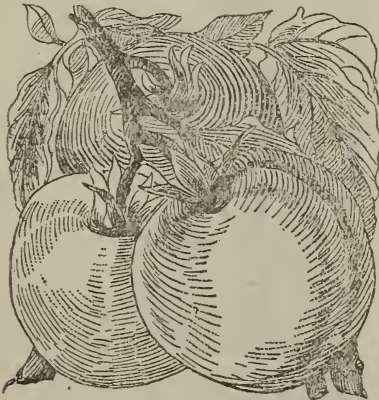
An acre of garden is worth more to your family than any other five acres of your farm.

NOVELTIES AMONG TOMATOES.

Some of the Most Promising Varieties Described.

In real meritorious novelties among tomatoes the season of 1889 was prolific. At the Popular Gardening grounds at La Salle, N. Y., where fifty new sorts were on trial last season, the Dwarf Champion produced the earliest good specimens, but was not so prolific a bearer as many of the standard varieties. Potato Leaf gave satisfaction. It is an enormous, somewhat spreading grower, producing its handsome and invariably smooth purple fruit, which is of good size, solid and fine flavored all through the season. The older of Livingston's tomatoes, Paragon, Perfection and Favorite, also Cardinal, developed their usual good points. Livingston's Beauty did not disclose the merits claimed for it.

Ignotum and Matchless, being of especial large size, proved valuable for canning purposes. Early Ruby was also highly prized. An altogether distinct, unique and attractive fruit is the Peach tomato represented in the cut—a reprint from Popular Gardening. When ripe it drops off with stem left on, similar to a tree fruit. On account of its shape, bloom and the beautiful rosy tint on greenish yellow ground, it can easily be mistaken for a small peach. It may sell in market on account of its remarkable attractiveness; but being rather soft, although of high quality, it cannot be classed among market sorts. The home grower will be delighted with it.



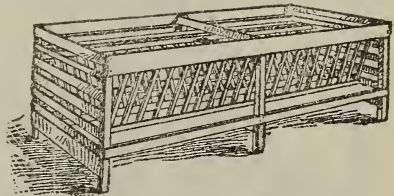
THE PEACH TOMATO.

King of the Earlies, Atlantic Prize, Earliest Advance and one or two more of the same type are early indeed, but this is pretty near all that was discov-

ered in their favor. Yet near large markets, with a demand for early fruit at good prices, some of these early sorts, especially the first named, may be grown with considerable profit, if grown under high culture and making use of all our resources in forwarding the crop. Rich soil not only enlarges both foliage and fruit, but also makes the foliage smoother, better colored and even more solid.

FEED BOX.

In the accompanying cut is shown a fodder rack for hay or straw, which has gained much commendation in Illinois. We are indebted to *Prairie Farmer* for the illustration, as well as for the bill of material and directions for putting the rack together.



FODDER RACK FOR HAY OR STRAW.

Three inch slats $4\frac{1}{2}$ inches apart, let into the center plank; the tops flare to within 5 inches of posts, six posts 7 feet long. The boards, crossed for bottom to rest on, should be on the inside of posts (instead of on the outside, as in the cut). Clamp the tops of slats between two four inch strips, and nail through with wrought nails. The lumber required will be as follows:

- 3 pieces for posts, 14 feet long, 4x4.
- 6 planks, 16 feet long, 2x12.
- 1 board, 18 feet long, 1x6.
- 2 planks, 16 feet long, 2x6.
- 6 pieces, 16 feet long, 1x4.
- 6 pieces fencing, 12 feet long, 1x6.
- 4 pieces, 16 feet long, 1x6.
- 38 pickets, 4 feet long, 1x3.

This rack is made alike on both sides, and in front on each side is a trough for feeding grain.

M. F. Faxon affirms that a continuous row is more convenient and profitable than the old method of hill culture for raspberries.

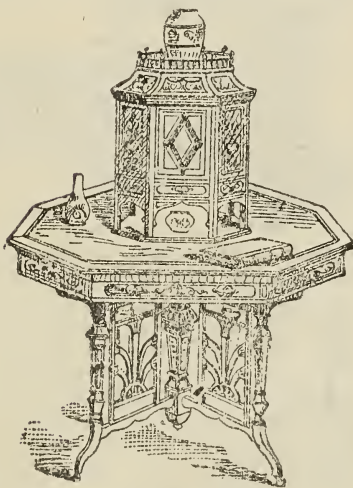
We will give our subscribers who desire to advertise stock, etc., extra favorable terms.

TASTEFUL FURNITURE.

Pretty and Convenient Articles of New Design.

The accompanying design is a pleasing variation to the ever present oval or round drawing room table. The novel feature is a cabinet attachment forming part and parcel of the lower structure. Although the cabinet table represented is intended to be an inlaid one—in fact, en suite with the better class of drawing room furniture now being made—the same idea could be adapted to library purposes with slight changes. The doors in the upper part could be made of wood instead of glass, and the small drawers underneath the doors could be dispensed with or placed inside the cupboard.

The interiors of doors could be lined with leather, and the doors hinged at bottom so as to be used as writing slopes when let down. In the event of this suggestion being adopted,

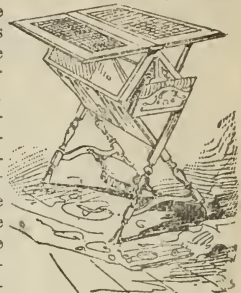


CABINET TABLE

the canted corners of upper or cabinet part would have to be made smaller to admit of sufficiently large doors for writing purposes. The spaces under cabinets should, in any case, be left open, as it gives the table a lighter appearance, and also forms a useful receptacle for china, papers, etc. If made for a library the enrichments would probably be carved instead of inlaid. The dimensions are as follows: Extreme width, 4 feet 6 inches; extreme height, 5 feet. The other details are sufficiently clear to render further explanation unnecessary.

This design of a simple little work table is framed upon rather unusual lines so as to answer a double purpose. The body is diamond shaped and arranged for the reception of

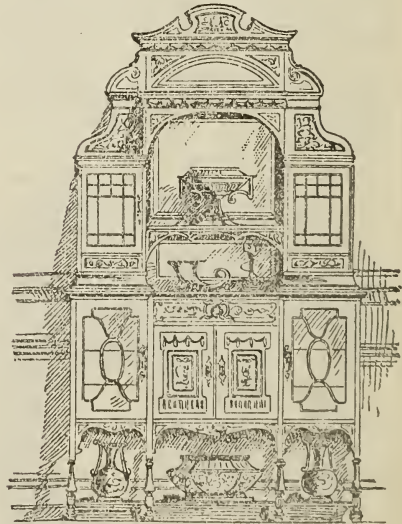
needlework. This is provided with two lids, which, when closed, slope at an angle with the shape of the body: These lids are intended to be leather lined for writing purposes. Should occasion occur to use the article for correspondence, it is only necessary to raise the flaps, which are supported, and the required slope is secured and controlled by means of the familiar action.



LADIES' WORK TABLE.

A small rack is at the side for the reception of a blotting case, which, thus placed, would always be ready to hand. It is also fitted to serve in the capacity of an ordinary table for "at home" purposes.

When required for use as a work table, one flap should remain closed and the other should be turned right back upon the center strip of wood to which both of them are attached. This would make the interior more accessible and bring the lid into play as a convenient table for needlework requisites. In construction it should consist in the main of a light open wooden framework, with silk or plush introduced as a background. As will be seen, the under rail is provided with an upholstered foot rest.



A DRAWING ROOM CABINET.

Being of good proportion and graceful outline, this cabinet will undoubtedly find favor. The general arrangement is admirably adapted for displaying china, bric-a-brac, etc. The design throughout has been adapted for marquetry inlay, the pediment, frieze, doors and drawers all affording free scope for the

A good cow is so much better than a poor one that all should say, "sell the poor cow and buy the good."

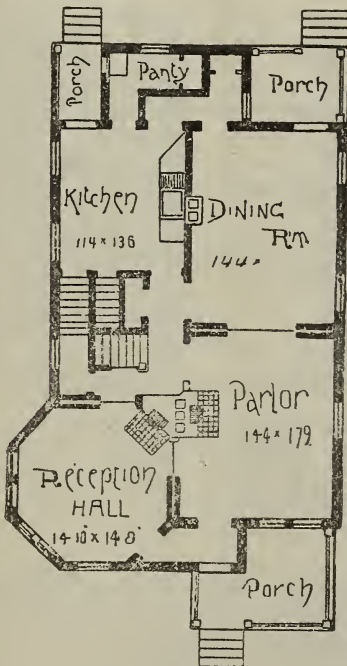
SKILLFUL manipulation of that handicraft. This design should be carried out either in stained mahogany with satinwood stringing and marquetry, or in rosewood, in which latter case the inlay should be of ivory or various stained woods.

A \$2,600 HOUSE.

An Ingenious Arrangement of Halls Makes It Unusually Convenient.

The floor plans given herewith are from L. H. Gibson's "Fifty Convenient Houses," Thomas Y. Crowell & Co., New York.

Both sitting room and parlor are in front. The dining room is placed immediately in the rear of the sitting room. Thus we have two rooms in front and two in the rear. This is practically a square house. The old habit has been to place the stairway along one side of the parlor in the hall, which served as a passageway from the front to the rooms immediately in the rear. This distribution of halls is what has thrown the sitting room back of the parlor.

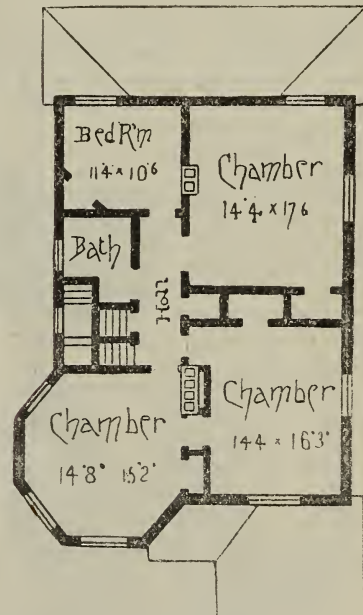


GROUND FLOOR.

In the plan here given the change has been made so that the hall has relatively the same position that had the sitting room in the past, though it is by no means as large. It is essentially a stair hall, and incidentally a passage. As placed, we may enter it from the parlor, sitting room, dining room or kitchen.

its position is central. There are two doors between this stair hall and the kitchen. The central position of the stairway has other advantages than those just stated. It makes long halls on the second floor entirely unnecessary. As will be seen by looking at the floor plan, it gives two good bedrooms in front.

The dining room is immediately in the rear of the sitting room. There may be sliding doors connecting these two rooms. One door three and a half feet wide usually makes a sufficiently large opening for the dining room connection. There are sliding doors between the parlor and sitting room, and dining room and sitting room, as shown. The kitchen has the advantage of a certain amount of isolation from the rest of the house, for the reason that there are two doors between it and any other room. The pantries are arranged with reference to their most convenient use. In



SECOND STORY.

the kitchen pantry there are places for a refrigerator, flour bin, bread board and cupboard. The dining room pantry is a china closet, with glass doors above and closed doors below. The doors connecting the dining room pantry or passage should be hung on double spring hinges.

On the second floor there is a hall about fourteen feet long, from which we pass to two bedrooms in front, two in the rear, the bathroom and the store closet. Each room is independent. They may be connected one with the other as family necessities suggest. The store closet is accessible from the hall, as

The Old, reliable, ever influential Maryland Farmer you cannot afford to neglect.

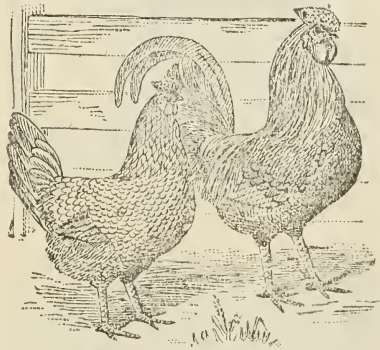
such closet should be. This makes it available from any of the rooms. The bathroom is directly over the kitchen. The cost of the house is about \$2,600.

RED CAPS.

Just now attention is being called by the various poultry journals to the English Red Cap breed of fowls, shown in the accompanying illustration, a reprint from Southern Fancier. The birds represented are Buffalo Boy and Rosalie, prize winners at the late international fair at Buffalo, N. Y.

The Red Caps are an old English breed of many years. They have now been before the American public about four years; have never enjoyed a decided "boom," but are gradually winning their way into the confidence of the American breeder. Ohio Poultry Journal describes them as follows:

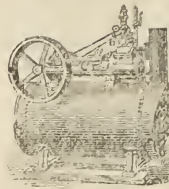
"The distinguishing feature of the English Red Cap as suggested is the rose comb, which should be of good medium size, full of fancy work or spikes, standing perfectly straight on the head, with long straight spike behind. Of course the comb of the cock should be much larger than that of the hen. The neck hackle of the cock should be rich



BUFFALO BOY AND ROSALIE.

dark red or golden red, striped with bluish black; back, black and red; breast and tail, black; saddle, rich deep red, striped with bluish black; wings, nut brown; wing coverts, bluish black; legs, slate color and of good length; earlobes and face red, and weight seven or eight pounds. The ground color of the hen is a rich nut brown; each feather spangled with a bluish black half moon or cres-

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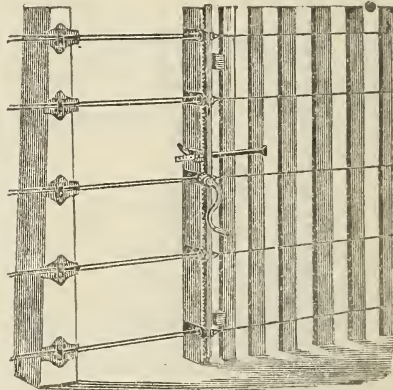
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cent shaped spangle; tail black, earlobes and face red, neck hackle laced with red, and weight six or seven pounds."

Official reports place the butter product for the year at 1,300,000,000 pounds, and the cheese product at 400,000,000 pounds, approximately.

ALL ABOUT BEES.

Mr. Milleson believes that a great many bee keepers use altogether too much smoke in handling bees, and do nearly as much harm as good. Be careful about using smoke, and use as little as possible, and don't drive the bees all out of the hive.—Field and Farm.

"In the comparatively moderate climate of Kentucky," writes G. W. Demaree, "bees succeed best in single walled hives. In my apiary of from fifty to one hundred and twenty colonies, I experimented with fourteen chaff hives and about ten double walled, 'dead air space' hives for five or six years, the rest of my bees being in single walled hives. The latter have given much better results than the chaff, etc., hives. But I attribute the superiority of the single walled hives to their better adaptability to skillful management in 'tiering up,' without which the best results are unattainable."

Mrs. L. Harrison, whose long experience entitles her opinions to consideration, says in *Prairie Farmer*: "All things considered, spring is best: about the 1st of April, not earlier, in this latitude. Good, strong colonies, with a vigorous queen, would run little risk of loss before a return of the outlay might be expected. When bees are purchased at the close of the honey harvest or in the fall or winter they are of no source of profit to their owner until flowers bloom. I have heard persons who had bees to sell in the fall talk glibly of the number of pounds of honey there were in the hives to a would be purchaser. Suppose there was; the bees would need every ounce of it to live upon and rear brood before flowers bloomed, and the purchaser would run the risk of losing the colony if he took away any to eat upon his cakes."

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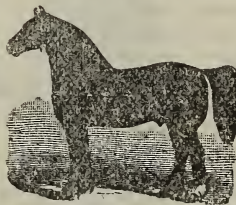
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Beginners in the extracted honey business had better go slow and learn the business, or they may produce bad results and get discouraged.

Do not put too many sections at one time on a colony; too many has a tendency to discourage rather than encourage.

Colonies worked for comb honey should not swarm to exceed 10 per cent.; and if for extracted, not more than 5 per cent.

A smoke pole is quite handy to keep two or more swarms from settling together. You can prevent the others from settling by the use of the smoke.

To hive a swarm, shake the bees off on a pole, to which a caged queen is fastened. An old sack tied around the end of the pole gives the bees a better surface to cling to.

The avenues for the consumption of extracted honey are many, and daily increasing. Among the more common, American Bee Journal cites the following: Table use, confectionery, pastry and cakes, jellies and jams; canning and preserving fruit, both cooked and in its natural state; curing hams and meats of various kinds, in making mead, metheglin, honey wines, harvest drinks and liquors; honey vinegar, honey egg foam, medicinal preparations, sirups, ointments and salves. It forms the principal ingredient in the formation of printers' rollers, and is used in the manufacture of beer, ale and tobacco.

WHEN TO SOW GRASS SEED.

What Charles L. Flint Has to Say on This Subject.

Differing conditions of soil and climate are in part responsible for the many and diverse opinions of agriculturists as to the best season for sowing grass seed. Charles L. Flint, recognized authority, in his work on "Grasses and Forage Plants" sums up the question substantially as follows:

More than sixty years ago careful experiments were made in the hope of obtaining such information as would settle the question as to the time of sowing grass seed, and the practice of seeding down in the fall was then commenced by a few individuals. At or before that time the practice of sowing in the spring was universal, and the same custom has very generally prevailed till within a very few years. Both the practice and

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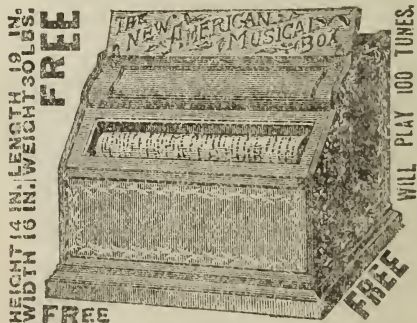
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the opinion of the best practical farmers in the northern and eastern states have changed to a considerable extent, and it is now commonly thought best to sow grass seed in the fall, early in September if possible, though there are, and always will be, some cases where the practice of sowing in the spring with grain is convenient and judicious.

It will be found that no season is without its exposure to loss; for if we sow in autumn and have an open and severe winter, with frequent changes from comparatively warm and thawing weather to excessive cold, the young grass will be likely to suffer, while if we sow in spring with some kind of grain, as oats, barley or rye, and have drought in spring and summer, as we generally do, the grass may be injured and may be entirely killed. No invariable rule for all soils and seasons can be given, but the weight of authority seems to fix upon early autumn as the best season to sow grass seed, sowing it alone without a grain crop; and the losses from proper seeding down at that season are probably considerably less in an average of years than those which arise from a spring sowing with grain.

DRESSED BEEF.

The tallow will vary in different animals very many pounds. So will the hide vary in weight. So will the proportional parts of the different cuts of beef.

Following are the tabulated results of careful experiments to show the percentage of the skin, hide, forequarters, etc., in the several stages of fatness, 100 being the total of the animal, the figures representing percentages of this number;

	Well Fed.	Half Fat.	Fat.
Skin and horns	8.4	7.4	6.0
The head	2.8	2.7	2.6
Fat of omentum and intestines	2.3	2.9	4.5
Forequarters, including kidney fat	47.4	55.7	60.3
Or again we find:			
Flesh without fat and bones	36.0	38.0	35.0
The bones	7.4	7.3	7.1
Fat in flesh	2.0	7.9	14.7

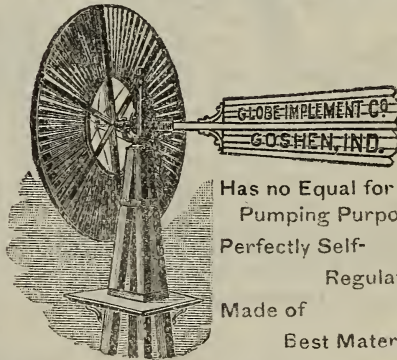
In this last table we find this important point: the fat in the flesh of the half (ordinarily) fat ox is nearly four times that in the well fed ox, and in

A little encouragement will awaken your boy to love the farm. Give him something to work for.



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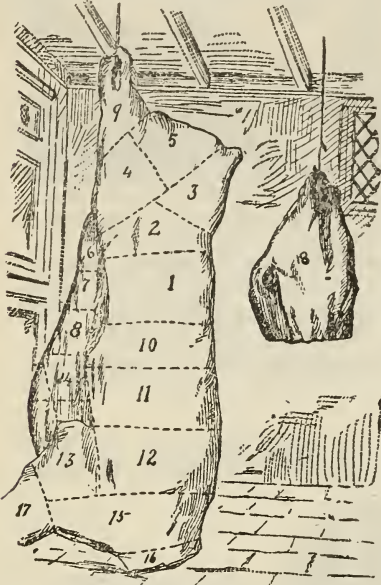
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that of the fat ox nearly twice of that in the half fat, or seven and one-third times that of the well fed ox. Hence the superior flavor and juiciness of the meat of the really fat over the leaner ox.



THE SEVERAL PORTIONS OF A BEEF'S CARCASS.

As to the carcass and different cuts of meat, the accompanying diagram illustrates the whole matter: In this we find: 1, the sirloin, from which porterhouse steak is made; 2, top or edge bone, from which what is sometimes called sirloin steak is cut; 3, the rump; 4, the buttock;

Fertilizing faithfully is the basis of all success in farming.

5, the lower buttock, from what we can round steak is cut; 6 is called the veiny piece; 7 is the thick flank; 8, the thin flank; 9, the leg; 10, the fore rib, containing five ribs; 11, middle rib, containing five ribs; 12, chuck rib, containing three ribs (for roasting and also for cutting chuck steaks); 13, shoulder; 14, brisket; 15, the clod; 16, the neck, or blood piece; 17, the shin; and in the head 18, the cheeks or head. As to the several weights of these pieces, it must be decided individually for each animal.

Now as to the uses of these parts, the ribs are best for roasting, and 11 the best; 1 is also a prime roasting piece, and 3 is the next best roasting piece after the ribs and sirloin—many regard it as the best; pieces eligible for soup are 9, 16, 17 and other lean bony parts; for corned beef, 6, 7, 8, 12, 14 and 15 are used; 13 and 14, containing the brisket and the plates, are the best. Thanks are due to *Prairie Farmer* for the cut here presented and the accompanying explanations.

Everybody does not know that potatoes for long keeping ought to be stored in the dark. The whitest, choicest potatoes will be injured in a short time in any cellar where one can see to walk around. They will look yellowish when cooked and their fine quality is gone. If you cannot make one room of your cellar absolutely dark, see that your home supply is kept in tight boxes or barrels and well covered.

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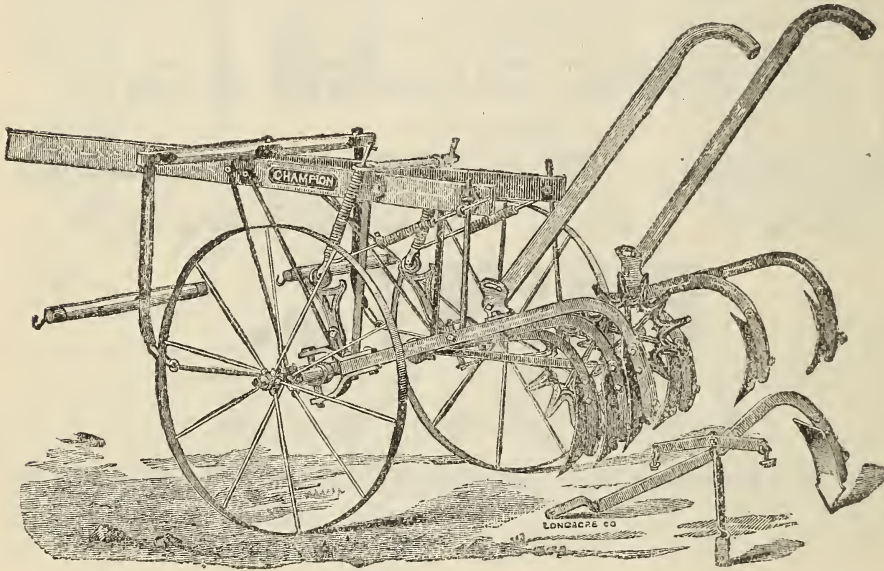
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